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21 [Synchronous learning at a distance: experiences with Tango](#)

[David E. Bernholdt](#), [Geoffrey C. Fox](#), [Roman Markowski](#), [Nancy J. McCracken](#), [Marek Podgorny](#), [Thomas R. Scavo](#), [Qutaibah Malluhi](#), [Debasis Mitra](#)

November **Supercomputing '98**: Proceedings of the 1998 ACM/IEEE conference on Supercomputing 1998 (CDROM)

Publisher: IEEE Computer Society

Full text available: [Himl](#) (44.45 KB)

Additional Information: [full citation](#), [abstract](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 1, Downloads (Overall): 119, Citation Count: 1

In the fall of 1997, and again in the spring of 1998, the Northeast Parallel Architectures Center at Syracuse University taught a computational science course at Jackson State University in Jackson, Mississippi using the TANGO Interactive collaboratory ...

Keywords: TANGO, computational science, distance education, internet, synchronous learning

22 [Proceedings of the 1997 ACM/IEEE conference on Supercomputing \(CDROM\)](#)

November **Supercomputing '97**: Proceedings of the 1997 ACM/IEEE conference on Supercomputing 1997 (CDROM)

Publisher: ACM

Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 0

23 [An anchor chain scheme for IP mobility management](#)

[Yigal Bejerano](#), [Israel Cidon](#)

September 2003

Wireless Networks, Volume 9 Issue 5

Publisher: Kluwer Academic Publishers

Full text available: [Poi](#) (278.55 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 8, Downloads (Overall): 462, Citation Count: 4

This work presents a simple mobility scheme for IP-based networks, termed the "anchor chain" scheme. The scheme combines pointer forwarding and caching methods. Every mobile host (MH) is associated with a chain of anchors that connects it to its home ...

Keywords: cellular systems, location management, mobile-IP, mobility management, personal communication system, wireless systems

Joseph Newman, Martin Wagner, Martin Bauer, Asa MacWilliams, Thomas Pinteric, Dagmar Beyer, Daniel Pustka, Franz Strasser, Dieter Schmalstieg, Gudrun Klinker

Full text available: Pdf (327.49 KB)

Augmented Reality (AR) provides a natural interface to the "calm" pervasive technology anticipated in large-scale Ubiquitous Computing environments. However, the range of classic AR applications has been limited by the scope, range and cost of sensors ...

 Carl Gutwin, Steve Benford, Jeff Dyck, Mike Fraser, Ivan Vaghi, Chris Greenhalgh

Publisher: ACM [Request Permissions](#)

Full text available:  [PDF](#) (352.51 KB)

Delay is an unavoidable reality in collaborative environments. We propose an approach to dealing with delay in which 'decorators' are introduced into the interface. Decorators show the presence, magnitude and effects of delay so that participants can ...

26 Inside MASSIVE-3: flexible support for data consistency and world structuring

Chris Greenhalgh, Jim Purbrick, Dave Snowden

Publisher: ACM  [Request Permissions](#)

Full text available:  [PDF](#) (284.55 KB) Additional information: [full citation](#), [references](#), [cited by](#), [index terms](#)

Key words: collaborative virtual environments, distributed data consistency, distributed systems, interest management

 William G. Morein, Angelos Stavrou, Debra L. Cook, Angelos D. Keromytis, Vishai Misra, Dan Rubenstein

Publisher: ACM Request Permissions

Full text available: Pdf (256.83 KB)

We present WebSOS, a novel overlay-based architecture that provides guaranteed access to a web server that is targeted by a denial of service (DoS) attack. Our approach exploits two key characteristics of the web environment: its design around a human-centric ...

Keyw ords: Java, graphic turing tests, web proxies


28 [An entity maintenance and connection service for sensor networks](#)

 Brian Blum, Prashant Nagaraddi, Anthony Wood, Tarek Abdelzaher, Sang Son, Jack Stankovic
 May 2003 **MobiSys '03: Proceedings of the 1st international conference on Mobile systems, applications and services**
 Publisher: ACM  [Request Permissions](#)
 Full text available:  [PDF](#) (294.88 KB) [Additional Information: full citation, abstract, references, cited by, index terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 26, Downloads (Overall): 364, Citation Count: 13

In this paper, we present a middleware architecture for coordination services in sensor networks that facilitates interaction between groups of sensors which monitor different environmental events. It sits on top of the native routing infrastructure ...





29 [A control and management network for wireless ATM systems](#)

Stephen F. Bush, Sunil Jagannath, Ricardo Sanchez, Joseph B. Evans, Gary J. Minden, K. Sam Shanmugan, Victor S. Frost
 September 1997 **Wireless Networks**, Volume 3 Issue 4
 Publisher: Kluwer Academic Publishers
 Full text available:  [PDF](#) (573.05 KB) [Additional Information: full citation, abstract, references, cited by, index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 38, Downloads (Overall): 450, Citation Count: 4

This paper describes the design of a control and management network (orderwire) for a mobile wireless Asynchronous Transfer Mode (ATM) network. This mobile wireless ATM network is part of the Rapidly Deployable Radio Network (RDRN). The orderwire system ...




30 [The OptiPuter](#)

 Larry L. Smarr, Andrew A. Chien, Tom DeFanti, Jason Leigh, Philip M. Papadopoulos
 November 2003 **Communications of the ACM**, Volume 46 Issue 11
 Publisher: ACM  [Request Permissions](#)
 Full text available:  [HTML](#) (35.11 KB),  [PDF](#) (1.63 MB) [Additional Information: full citation, abstract, references, cited by, index terms](#)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 93, Downloads (Overall): 1454, Citation Count: 24

This architecture/infrastructure of parallel optical networks couples data exploration, visualization, and collaboration technologies through IP at multi-gigabit speeds.

31 [Design of a multi-sender 3D videoconferencing application over an end system multicast protocol](#)

 Moitaba Hosseini, Nicolas D. Georganas
 November 2003 **MULTIMEDIA '03: Proceedings of the eleventh ACM international conference on Multimedia**
 Publisher: ACM  [Request Permissions](#)
 Full text available:  [PDF](#) (872.17 KB) [Additional Information: full citation, abstract, references, cited by, index terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 38, Downloads (Overall): 794, Citation Count: 7

Videoconferencing in the context of 3D virtual environments promises better spatial consistency and mutual awareness for its participants. However, in the absence of IP Multicast and limited upload bandwidth of today's DSL connections, the feasibility ...

Keywords: 3D videoconferencing, awareness management, end system multicast, peer-to-peer

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